Special Issue

Thermochemical Conversion of Polymer Waste

Message from the Guest Editors

Thermochemical conversion is a promising technology that can simultaneously handle mixed streams of natural-polymer waste (lignocellulosics, chitin, wool, natural rubber) and ever-growing artificial-polymer waste (PE, PP, PET, PS, PVC, PU, PA, PC, PVB, multilayer films, fiber-reinforced composites, tire fluff, micro-plastics, and nano-plastics). This Special Issue of *Polymers* solicits studies that map how the distinct thermal signatures, hetero-atom contents, and inorganic fillers of these two waste families interact in combustion, pyrolysis, gasification, hydro-liquefaction, etc. Original experiments, simulations, and critical reviews that chart a scalable path for the clean and efficient disposal of waste polymers are welcome, especially when this disposal converts complex, multi-source polymer waste into circular chemical feedstocks, fully exploiting the flexibility of thermochemical conversion.

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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